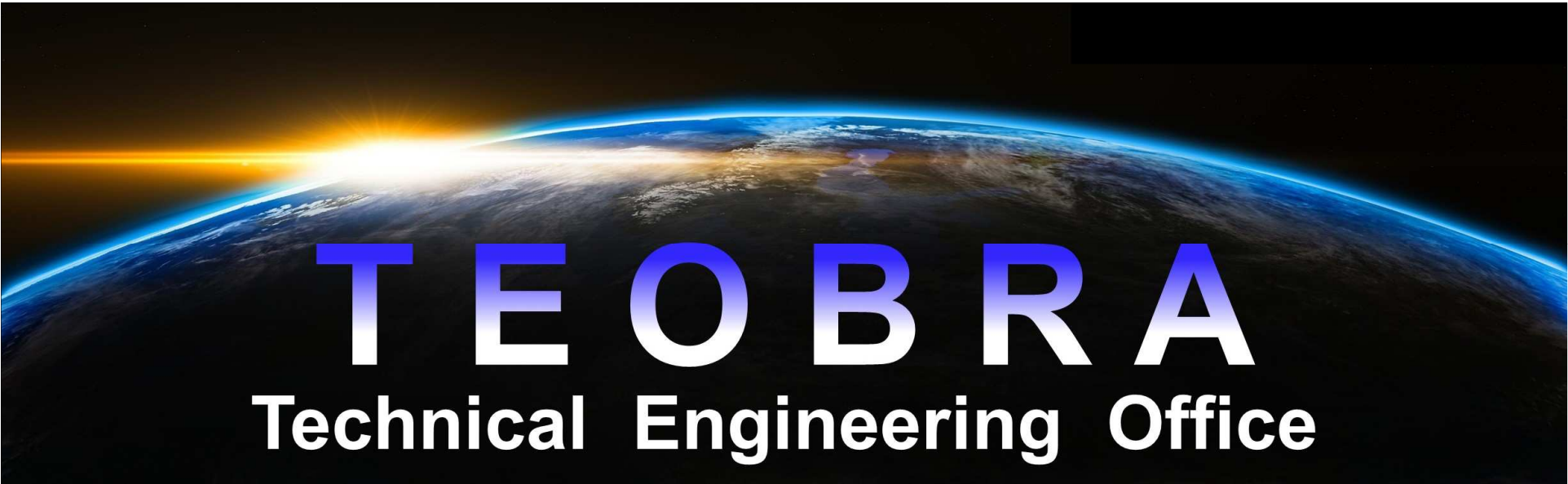




TEOBRA

Technical Engineering Office

Technology

High-Power

Tele-DataCom

Optoelectronic

High-Frequency

Embedded Systems

Process

ReBuild

ReDesign

Evaluation

Prototyping

Thermal Design

Service

Calculation

Cybersecurity

Documentation

Project Management

Business Development



TEOBRA

Technical Engineering Office

IT
Cyber
Security

Embedded
Systems

Artificial
Intelligence

Production
Process
Design

High
Frequency
Technology

Data
Center
Engineering

Opto
Electronic
Systems

Tele
DataCom
HighPower
Systems

Technical
Documentation



Services

Introduction
&
References

High Power Components and System

Tele- & Datacom Components

Fibre Channel and Network Xtension

Thermal Management

Optoelectronic Components and Systems

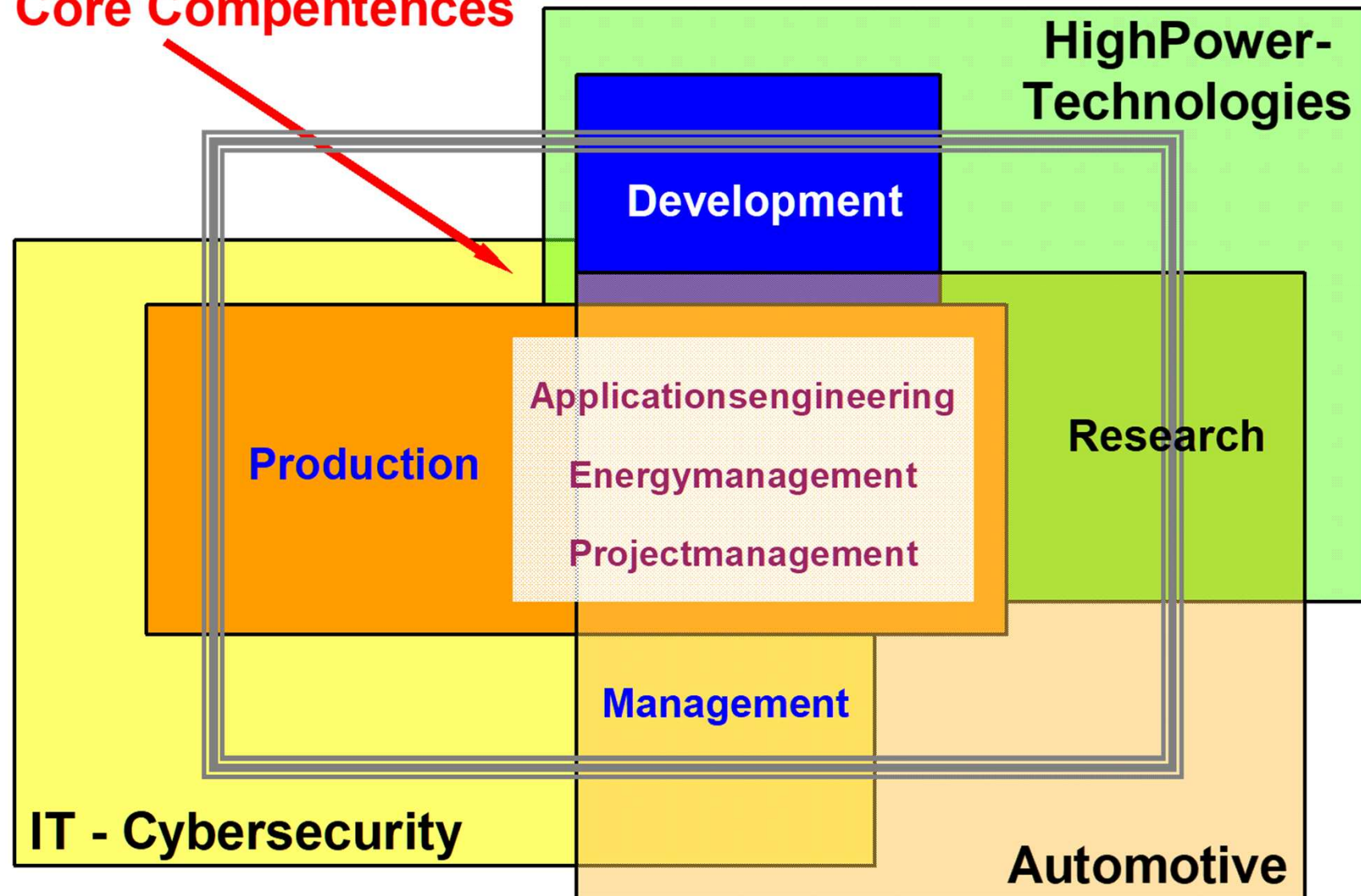
Broadcasting & High-Power-Systems



40 years of experience

- **High-Power – Systems**
- **High-Frequency – Technologies**
- **Productions – Process – Design**
- **Measurement – Control – Regulation – Technologies**

Core Competences



Energie	IT Kommunikation	Automotive Transportation	Fertigung Produktion
Erzeugung elektrisch chemisch thermisch mechanisch	RTOS FPGA PowerPC	RBL-Systeme MSR-Technik Elektroantrieb	EMS-Prozesse Formieranlagen Burn-In, Flying-Probe
Speicherung elektrisch chemisch thermisch	Optoelektronik DFB-FGL-Laser GSM-UMTS-LTE	Flugelektronik Brennstoffzellen Systemintegration	Qualitätsmanagement WWS- und PPS- Abläufe Lithium-Ion-Technologie
Übertragung	Verschlüsselung	Erd-Bio-Gastechnik	Bonden (mehrphasig Au, Al)
Umformtechnik	Netzwerktechnik	Nutzfahrzeugtechnik	Boundary-Scan, In-Circuit
Supraleitertechnik	Embedded Systeme	Thermal Management	Waferbearbeitung (FEOL, BEOL)
USV-Anlagentechnik	IPC-Industrieterminals	Wasserstoff-Technologie	Schwall-Reflow-Selektiv-Löten

Energie

Erzeugung

elektrisch
chemisch
thermisch
mechanisch

Speicherung

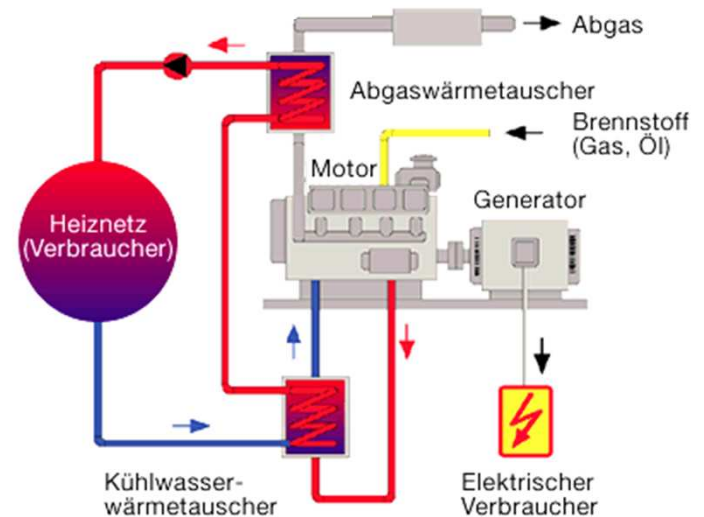
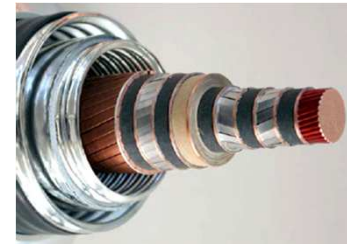
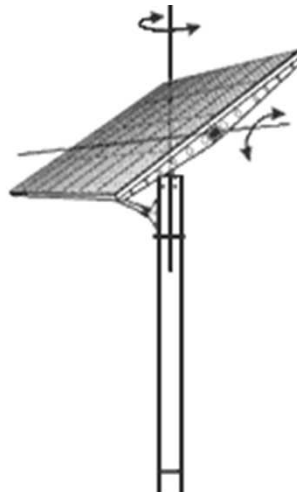
elektrisch
chemisch
thermisch

Übertragung

Umformtechnik

Supraleitertechnik

USV-Anlagentechnik



IT Kommunikation



RTOS

FPGA

PowerPC

Optoelektronik

Mikroelektronik

DFB-FGL-Laser

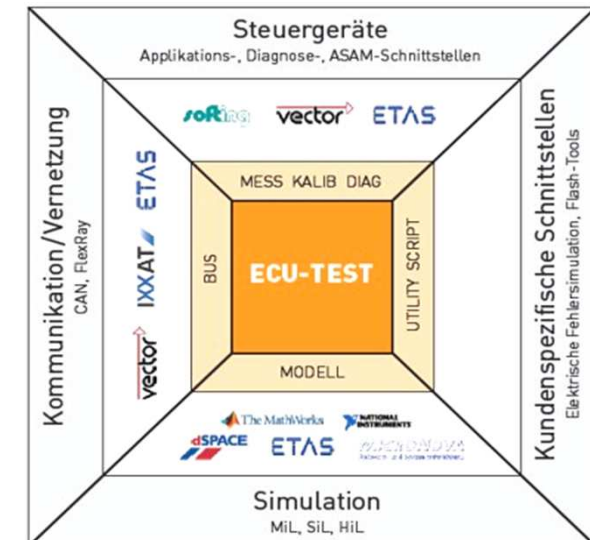
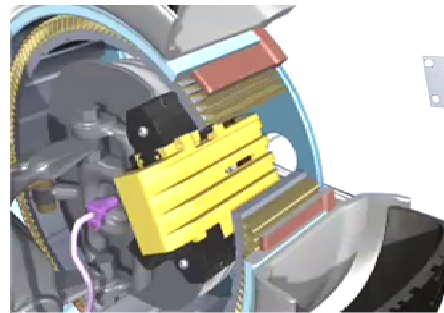
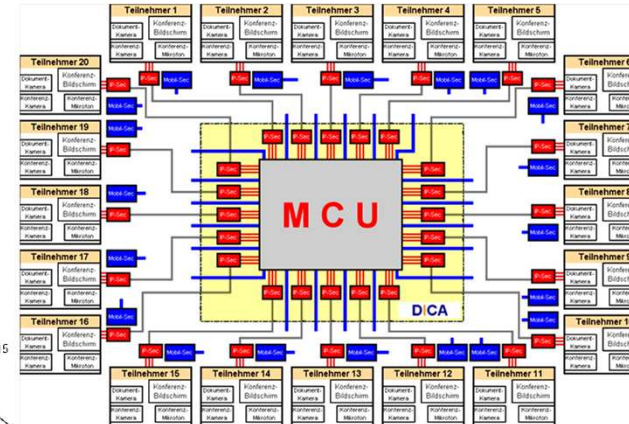
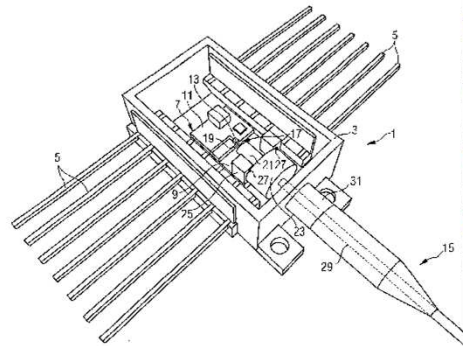
GSM-UMTS-LTE

Verschlüsselung

Netzwerktechnik

Embedded Systeme

IPC - Industrieterminals



Fahrzeugtechnik

RBL-Systeme

MSR-Technik

Elektroantrieb

Flugelektronik

Brennstoffzellen

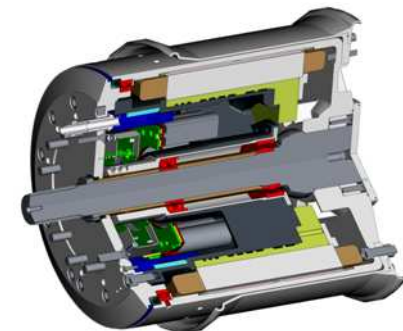
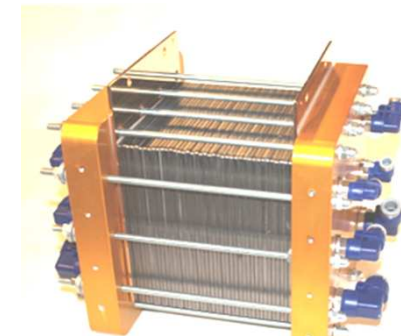
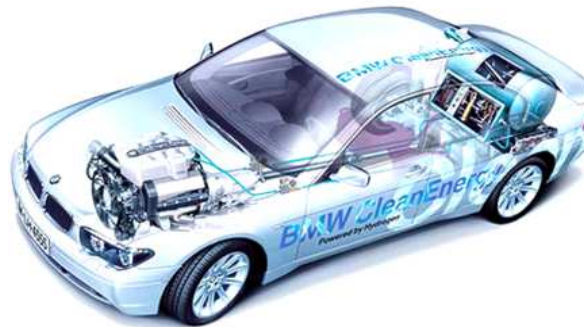
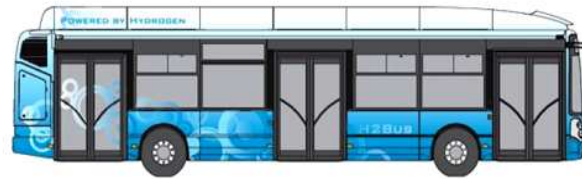
Systemintegration

Erd-Bio-Gastechnik

Nutzfahrzeugtechnik

Thermal Management

Wasserstoff-Technologie



Fertigung Produktion

EMS- Prozesse

Formieranlagen

Burn-In, Flying-Probe

Qualitätsmanagement

WWS- und PPS- Abläufe

Lithium-Ion- Technologie

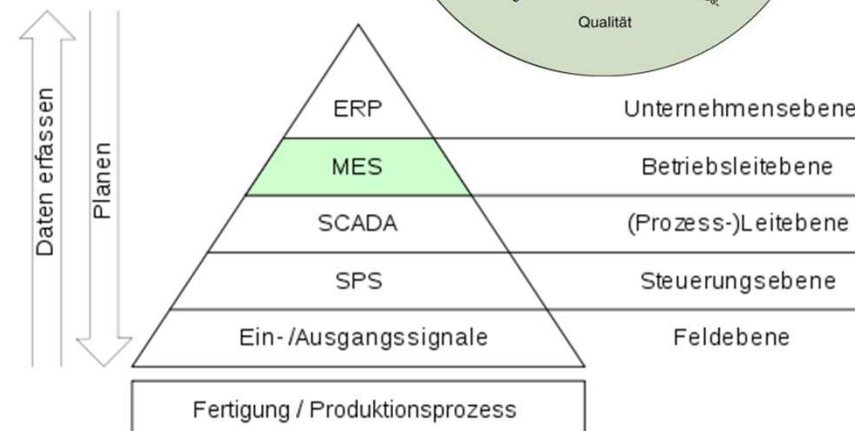
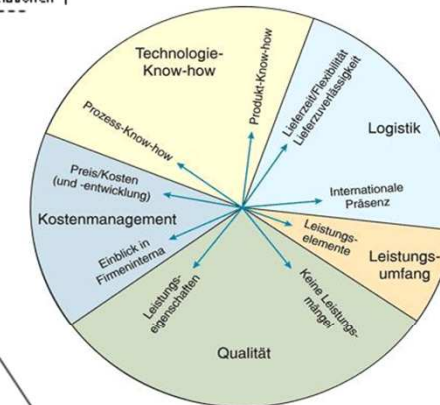
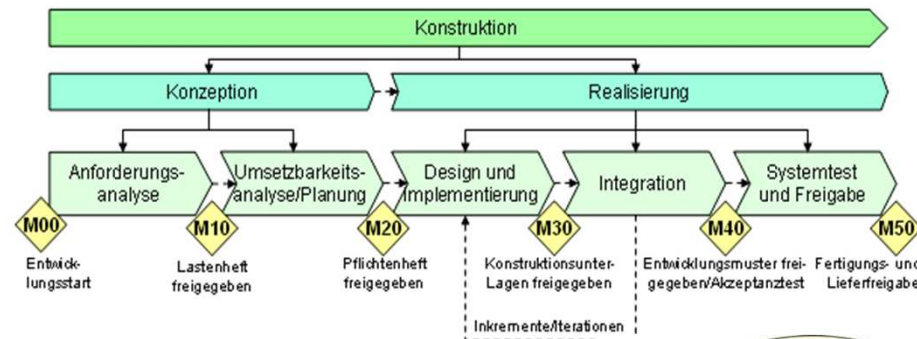
Bonden (mehrphasig Au, Al)

Boundary-Scan, In-Circuit

Waferbearbeitung FEOL, BEOL

Schwall- und Reflow- Löten

Selektiv - Lötprozesstechnik



References:



Skoda – NetPro CZ

Projekt: Straßenbahn
Applikation: Monitoring
Branche: Transportation
Produkt: Bilddatenerfassung



ABB CH

Projekt: ETL600, NSD570
Applikation: Power Line Communication
Branche: Energie
Produkt: Steuerung für Umspannwerk



VNG AG

Projekt: Infrastruktur
Applikation: Tele- u. Daten- Kommunikation
Branche: Energie
Produkt: Netzwerktechnik



References:



TelDaCom – Teco

Projekt: PLC - Data- Eventlogger
 Applikation: Mess- Steuer- Regelsystem
 Branche: Automatisierung, Maschinenbau
 Produkt: PowerPC

TelDaCom GmbH



Aconta Systems CZ

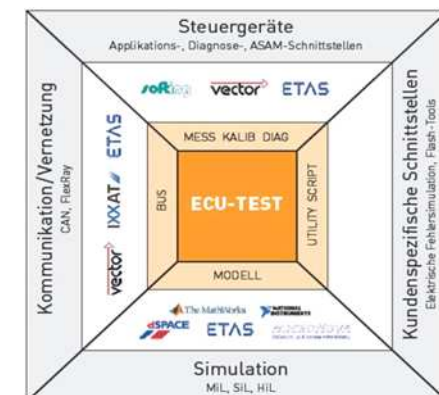
Projekt: Kraftstoffversorgung
 Applikation: NATO - Tanksystem
 Branche: Energie, Automotive
 Produkt: autonome Tankstation

Aconta Systems a.s.
 Advanced container systems



TraceTronic – BMW

Projekt: Test- Steuersystem
 Applikation: Diagnosetechnik
 Branche: Automotive
 Produkt: embedded Steuermodul



References:



Rieter CZ

Projekt: Maschinensteuerung
Applikation: Meß- Steuer- Regeltechnik
Branche: Automatisierung, Maschinenbau
Produkt: integriertes Industrieterminal

RIETER



DICA-Technologies

Projekt: Blue Crypt IP
Applikation: Verschlüsselung
Branche: Tele- Data- Kommunikation
Produkt: Kompletgerätserie

DICA
IT security technologies



BC-IP50



BC-IP400



BC-IP400

Ziehl-Abegg – FCI

Projekt: E-Antrieb für Nutzfahrzeuge
Applikation: mobiles Energiesystem
Branche: Energie, Fahrzeugtechnik
Produkt: Ladestation, Energiespeicher

ZIEHL-ABEGG

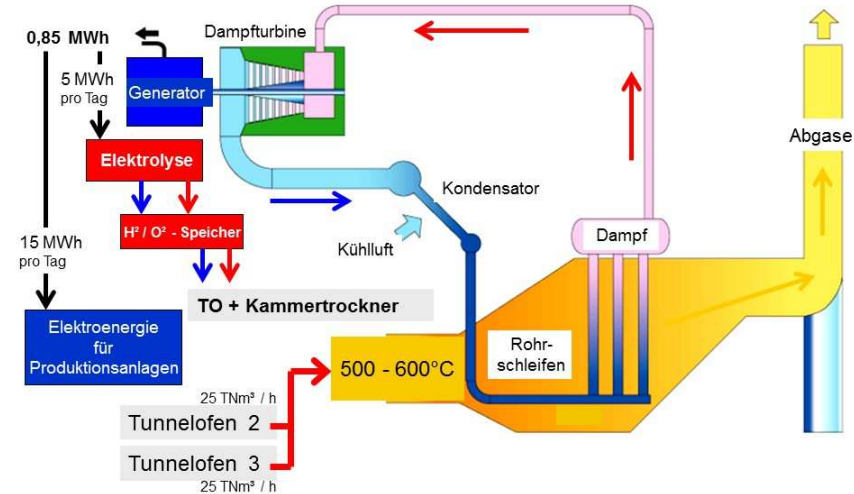


References:



Bain Capital (Boston)

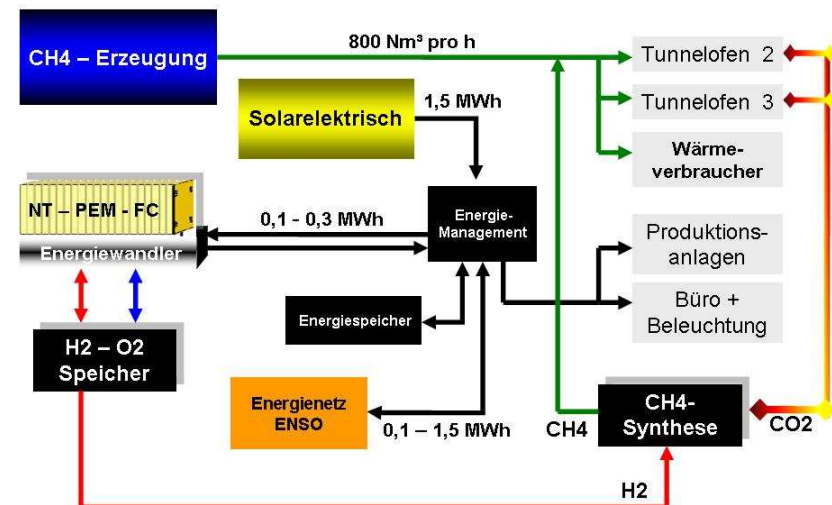
Projekt: ORC - KWK-Kraftwerk
 Applikation: KWK – PtG – GtP
 Branche: Energie - Umwelt
 Produkt: Kraftwerksanlage (3 GW)



Institut ZFE-Nauen



Projekt: Speicher-Hybridkraftwerk
 Applikation: Energiespeicherung
 Branche: Energie
 Produkt: Kraftwerksanlage (10 GW)



Suppliers:



- Resistors for Power Systems



- Ultracapacitors



- RF Components

- RF Systems



Suppliers:



- High Voltage DC/DC Power Supplies



- High Voltage Capacitors
- Longlife Batteries



- Liquid Level-, Flow Pressure- Switches
- Dry Reed Switches
- HF and RF Reed Relays
- Inductors and Transformers



- High Performance Film Resistors



- High Energy Density Capacitors
- HV Resistors



- Regulated High Voltage
- Low Voltage DC Power Supplies



Suppliers:



- Commercial Components
- Hi-Rel Components

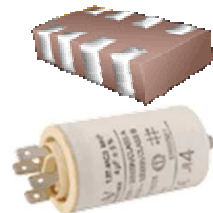


- High Voltage Capacitors



GREATBATCH SIERRA, INC.

- Multilayer Ceramic Capacitors
- EMI Feedthrough Filters



- High Power RF Cables
- Assemblies



- Capacitors
- Relays
- Contactors and Interrupters

capacitors



relays



interrupters



contactors



coaxial
relays



Suppliers:



- Thermoelectric modules/Peltier coolers
- Thermoelectric assemblies



- Heat sinks air cooled
- Cold plates water cooled



- Heat Pipes



- TEC temperature controllers



- TEC temperature controllers



- Water cooling systems and Heat exchangers
- Cold plates water cooled
- Recirculating chillers for laser diode cooling



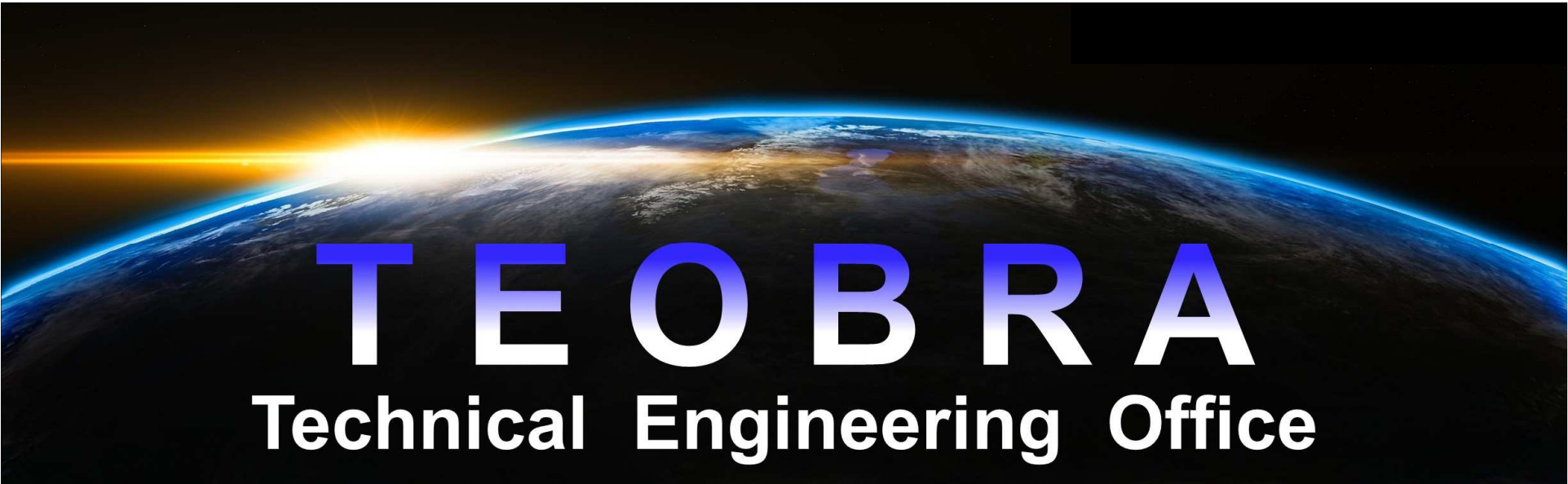
- Heating foils and heating solutions



- Fans and blowers



- Thermal interfaces materials (Thermofoils)



TEOBRA

Technical Engineering Office

